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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

1. (currently amended): A nanocarbon production apparatus comprising:

a target holding unit which holds a sheet-like or rod-shaped-quadratic prism graphite

target;

a light source which irradiates a surface of said graphite target with light;

a moving unit which moves one of said graphite target held by said target holding unit

and or said light source relative to the other to move an irradiation position of said light inon the

surface of said graphite target; and

a collecting unit for collecting carbon vapor evaporated from the graphite target by

irradiation with light;

wherein the carbon vapor comprises a as-nanocarbon.

2. (original): A nanocarbon production apparatus according to claim 1, wherein said

moving unit is configured to move the irradiation position of said light while substantially

keeping an irradiation angle constant at said irradiation position in the surface of said graphite

target.

3. (currently amended): A nanocarbon production apparatus according to claim 1,

wherein said moving unit is configured to move the irradiation position of said light while

causing said a portion of the graphite target located at a point irradiated with said light the

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<u>irradiation position</u> to <u>disappearcompletely vaporize through a thickness of the, said</u> graphite target.

4. (currently amended): A nanocarbon production apparatus according to claim 1, further comprising a control unit which controls action-the movement of said moving unit or said light source such that a power density of said light irradiated to on the surface of said graphite target is kept-constant.

- (original): A nanocarbon production apparatus according to claim 1, wherein said moving unit moves said graphite target held by said target holding unit in a translational manner.
- 6. (currently amended): A nanocarbon production apparatus according to claim 1, wherein said graphite target is configured to drive it by installing forms an endless belt-shaped graphite target is between;

wherein the graphite target is wrapped a around at least pair of two rollers, and wherein the graphite target is moved by rotating said rollers with and moving said moving unit.

7. (currently amended): A nanocarbon production apparatus according to claim 1, wherein said graphite target is comprises a sheet-like graphite target shape wound about a rotating body, and said moving unit is configured to push out said graphite target released from said rotating body toward the direction of the irradiation position of said light while rotates rotating said rotating body.

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8. (original): A nanocarbon production apparatus according to claim 1, wherein said

nanocarbon is carbon nanohorn aggregates.

9. (withdrawn): A method of producing a nanocarbon comprising:

vaporizing carbon vapor from a sheet-like or rod-shaped graphite target by irradiating a

surface of said graphite target with light while moving an irradiation position of the light; and

collecting said carbon vapor to obtain nanocarbon.

10. (withdrawn): A method of producing a nanocarbon according to claim 9, further

comprising:

irradiating the surface of said graphite target with said light such that an irradiation angle

is substantially kept constant to the surface of said graphite target.

11. (withdrawn): A method of producing a nanocarbon according to claim 9, the

irradiation position of said light is moved in the surface of said graphite target while said

graphite target is caused to disappear at a point irradiated with said light.

12. (withdrawn): A method of producing a nanocarbon according to claim 9, wherein said

nanocarbon is carbon nanohorn aggregates.

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13. (new): A nanocarbon production apparatus according to claim 1, wherein the graphite target is a rod having a thickness that is less than a diameter of the irradiation light at the irradiation position.

14. (new): A nanocarbon production apparatus according to claim 1, wherein an irradiation angle, formed between a surface of the graphite target and an alignment of the light source, is between 30° and 60°.

15. (new): A nanocarbon production apparatus according to claim 1, wherein an irradiation angle, formed between a surface of the graphite target and an alignment of the light source, is 45°.

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